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TITLE: PHEBESTIN DERIVATIVE
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INVENTOR-INFORMATION:

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MICROBIAL CHEM RES FOUND	N/A

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ABSTRACT:

PROBLEM TO BE SOLVED: To obtain the subject new compound comprising a specific phebestin derivative, having inhibiting activity on aminopeptidase N and expected in applications as an anticancer agent or an immunopotentiator and further as an analgesic-retaining and an enhancing agent, etc.

SOLUTION: This new phebestin derivative (salt) is represented by formula I [R is a (substituted) lower hydrocarbon; X and Y are each an amino acid residue, except when R is phenyl group and X is valine residue and Y is phenylalanine residue] and has inhibiting activity

on aminopeptidase N which participates in tumor metastasis or immune system. Thereby, the compound is expected in use as an anticancer or an immunopotentiator and further use as an analgesic-retaining and enhancing agent, etc. The compound is obtained by reacting a protected dipeptide compound represented by formula H (P1 is a protecting group of carboxyl group; Ps is a protecting group of side chain functional group) with a carboxylic acid compound represented by formula III (P3 is a protecting group of amino group) and deprotecting the reaction product.

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